

BOURNS®

Figure 1 is a log-log plot showing Core Loss (mW) versus Flux Density B_{p-p} (gauss). The y-axis (Core Loss) ranges from 0.01 to 10,000 mW, and the x-axis (Flux Density) ranges from 10 to 1,000 gauss. The plot displays seven lines representing different frequencies, showing that core loss increases with both flux density and frequency.

Frequency	Flux Density B_{p-p} (gauss)	Core Loss (mW)
1 MHz	10	0.15
	300	1200
800 KHz	10	0.08
	300	700
500 KHz	30	0.8
	400	1200
400 KHz	30	0.5
	500	1800
300 KHz	30	0.15
	600	2500
200 KHz	30	0.3
	400	1000
100 KHz	30	0.07
	600	500

Technical drawing of a 1R0 component showing top, side, and end views with dimensions in inches and millimeters.

Top View Dimensions:

- Overall Diameter: 330 ± 0.5 DIA. (12.99)
- Inner Circle Diameter: 21.0 ± 0.8 DIA. (0.827 ± .031)
- Small Circle Diameter: 13.0 DIA. (.512)
- Top Flange Diameter: 30.4 (1.197)
- Flange Thickness: 13.0 DIA. (.512)
- Flange Height: $50.0 -0$ (1.969 -0)
- Bottom Flange Diameter: $26 +0$ (1.024 +0)

Side View Dimensions:

- THICKNESS: 0.10 (.004) MAX.
- EMBOSSED CAVITY
- EMBOSSED CARRIER

End View Dimensions:

- Overall Width: 24.0 (.945)
- Section 1: NO COMPONENT, 200 (7.87)
- Section 2: COMPONENTS, 20.0 (.787) and 4.0 (.157)
- Section 3: NO COMPONENT, 400 (15.75)
- USER DIRECTION OF FEED
- QTY: 250 PCS. PER REEL
- DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

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